

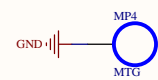
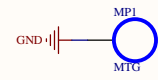
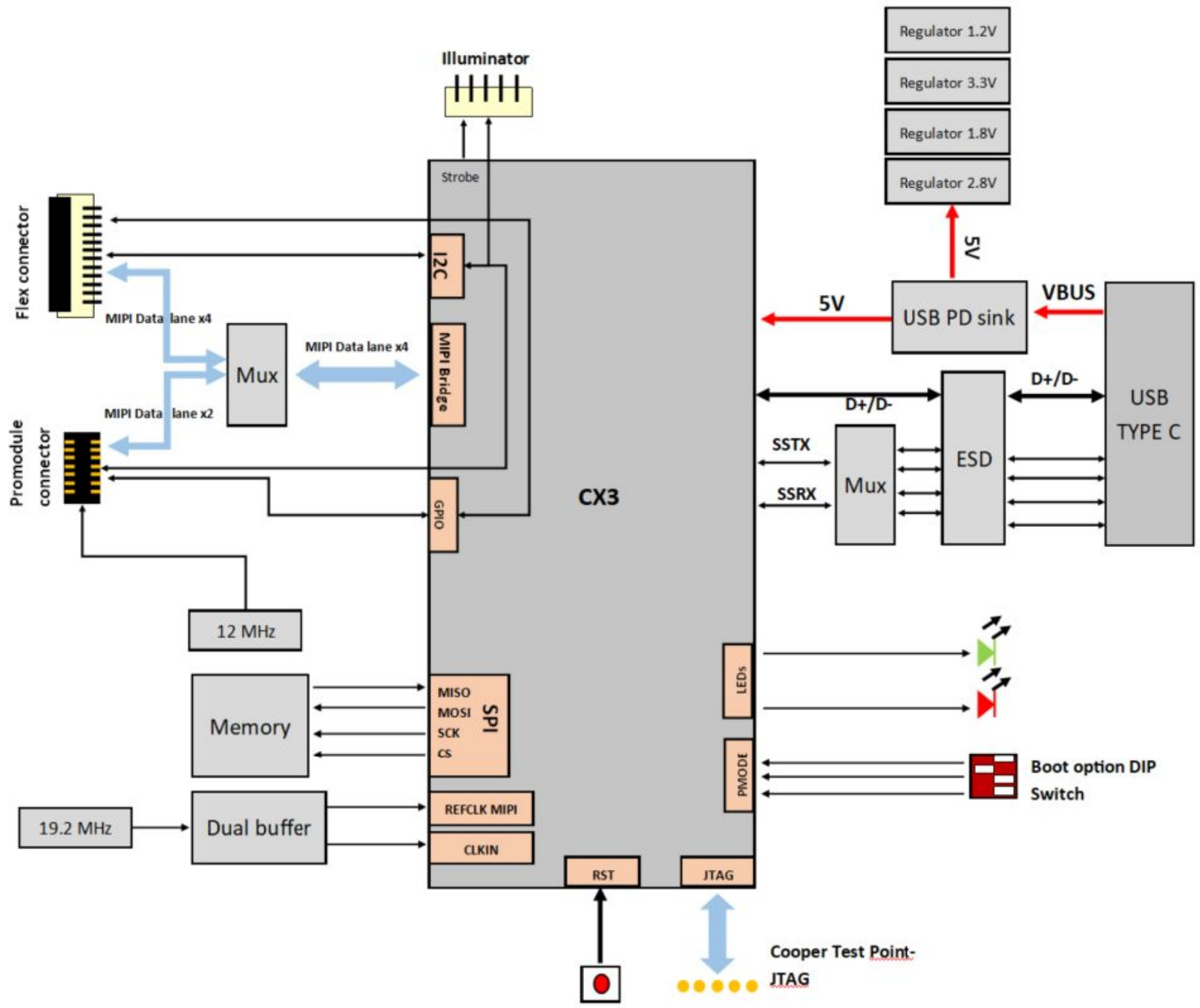
STEVAL-EVK-U0I

PCB4405C

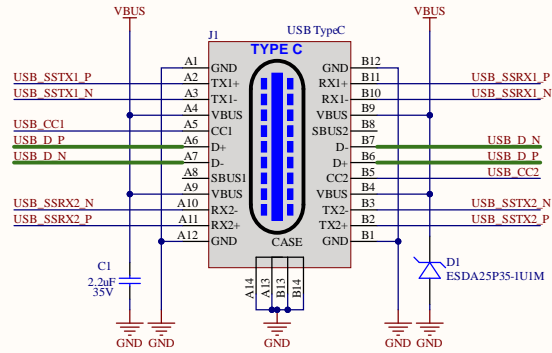
REVISION HISTORY

DATE	VERSION	NAME	DESCRIPTION
22/04/2024	000		

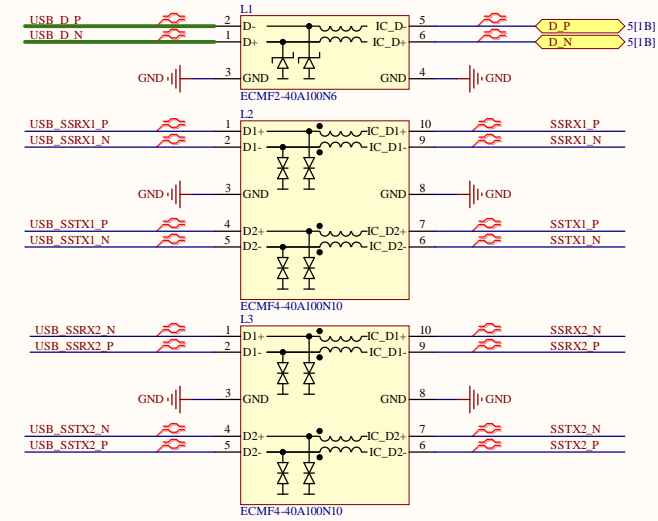




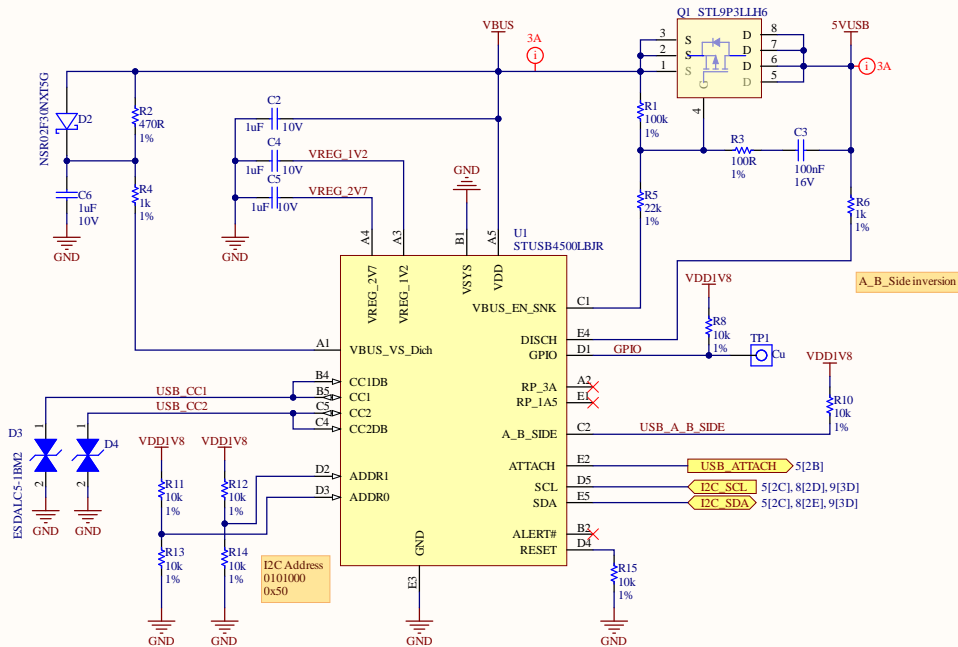
Connector USB TYPE C



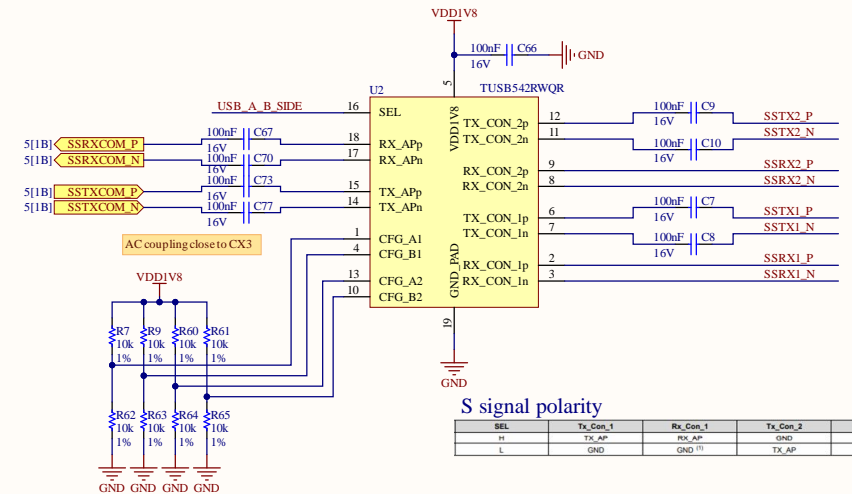
USB ESD protection



USB Power Delivery Sink



USB SuperSpeed Switch



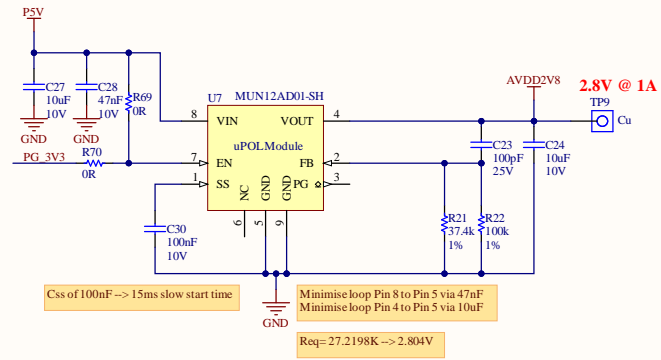
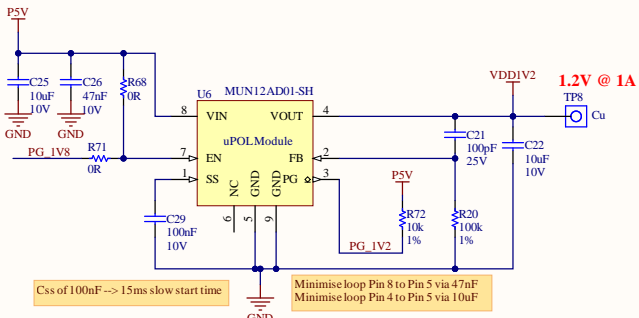
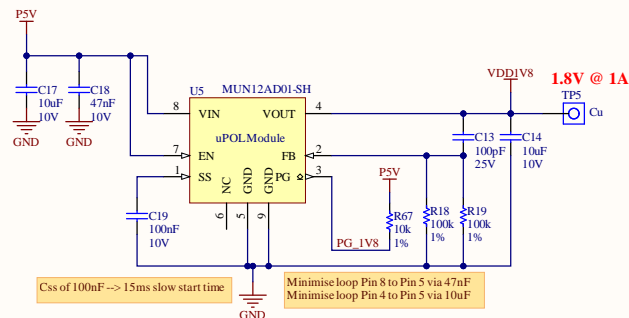
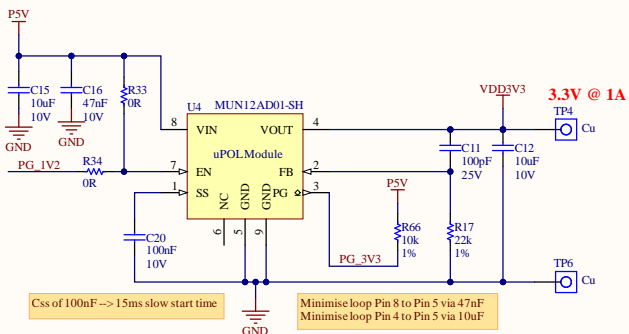
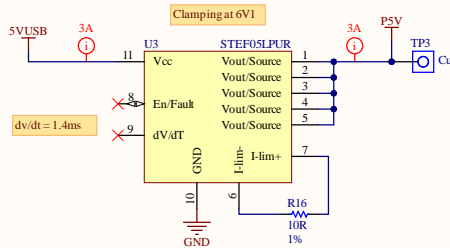
S signal polarity

SEL	Tx_Con_1	Rx_Con_1	Tx_Con_2	Rx_Con_2
H	TX_AP	RX_AP	GND	GND ⁽¹⁾
L	GND	GND ⁽¹⁾	TX_AP	RX_AP

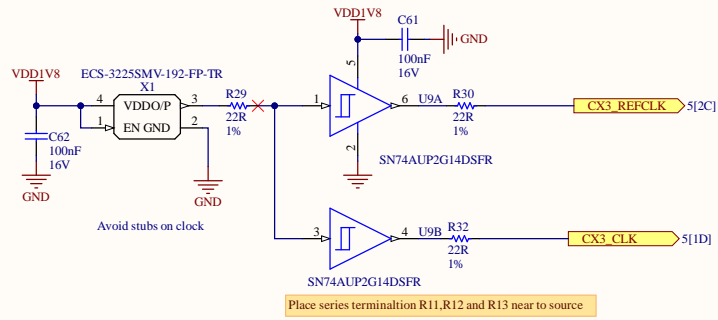
A_B Side polarity

Table 7. USB data MUX select

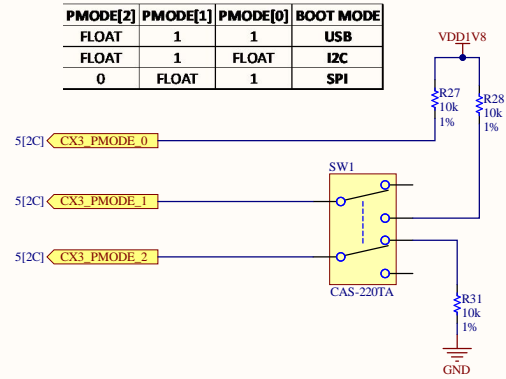
Value	Description
HIZ	CC1 pin is attached to CC line
0	CC2 pin is attached to CC line



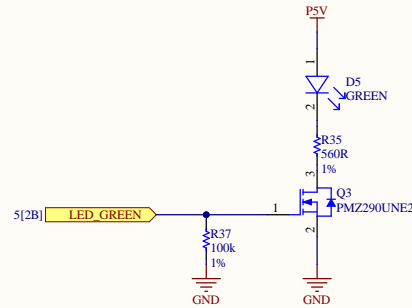
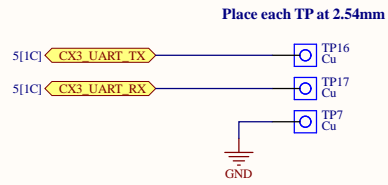
CX3 CLOCKS



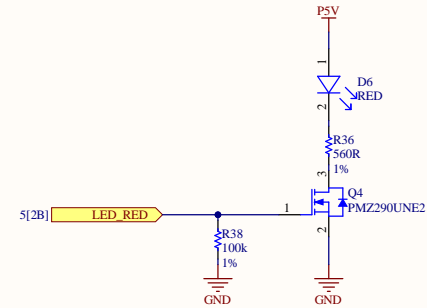
Boot Option



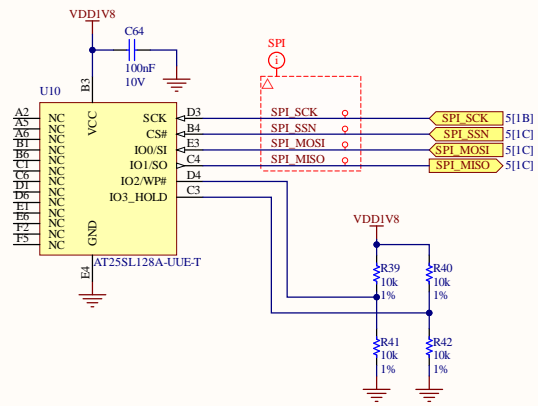
UART



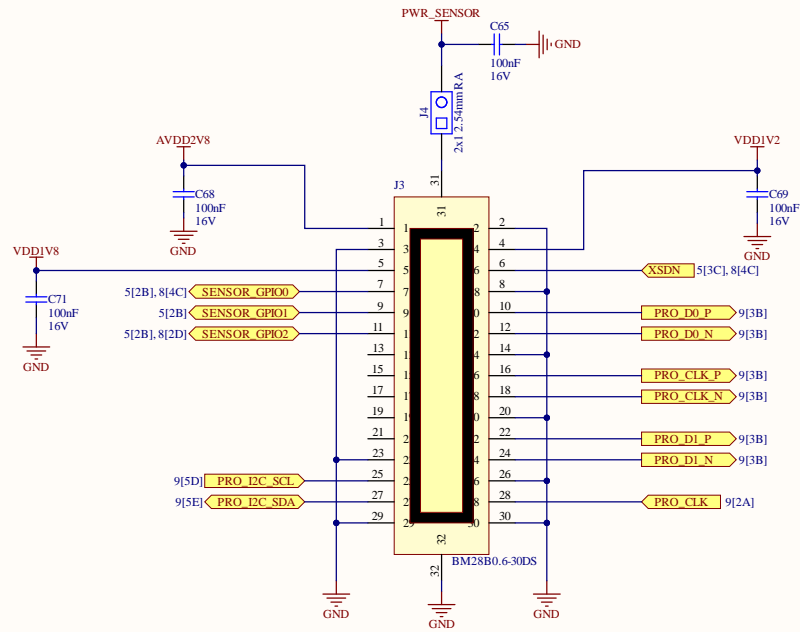
LED



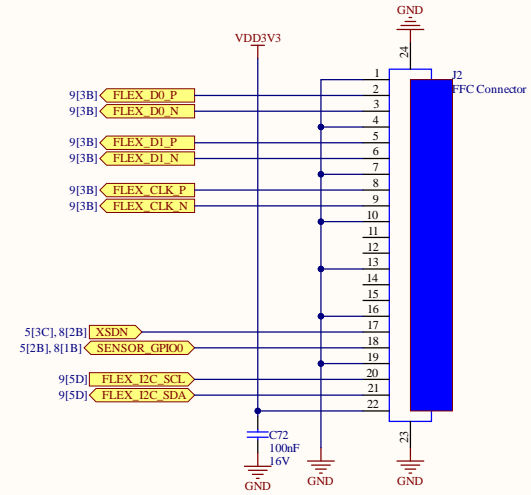
Memory



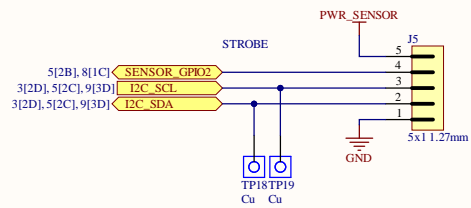
Promodule Connector



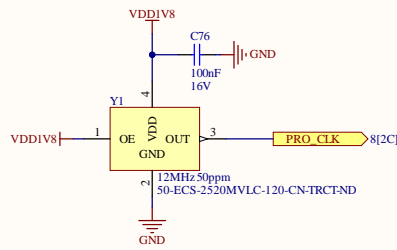
Raspberry Connector



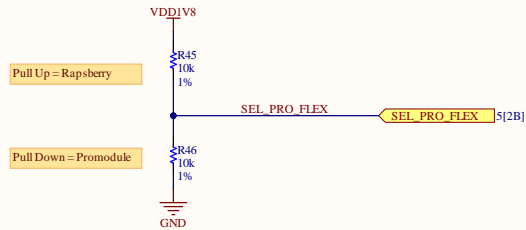
Illuminator Connector



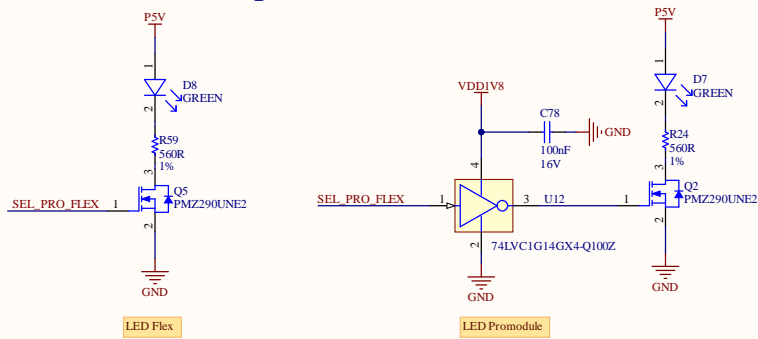
Sensor Clock



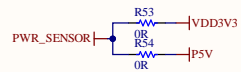
Sensor Selection



LED promodule or flex

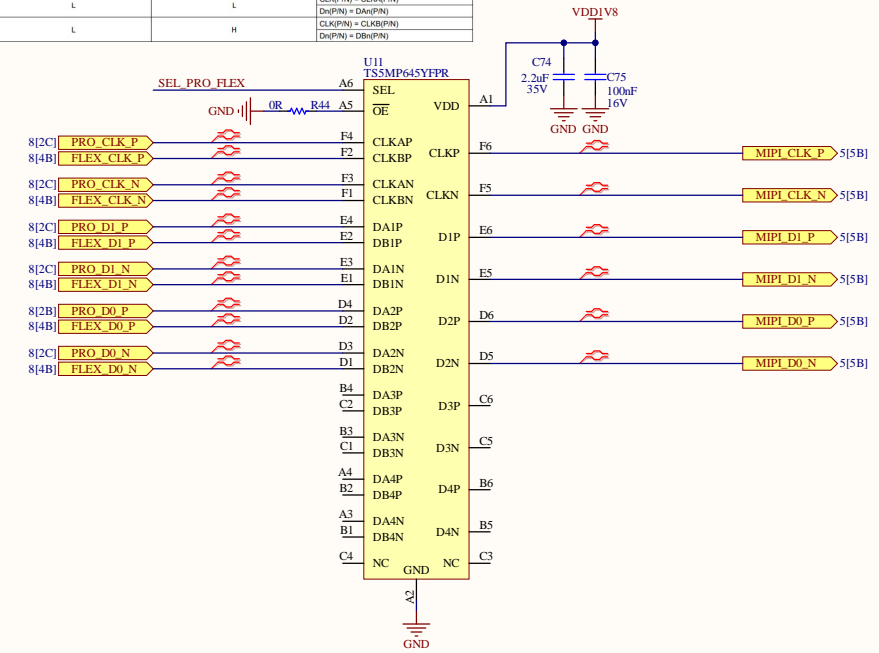


Power Sensor Selection



Mux Mipi

OE	SEL	Function
H	X	IO pins High-impedance
L	L	CLK(PIN) = CLKAP(PIN)
L	L	DB(PIN) = DA0(PIN)
L	H	CLK(PIN) = CLKBP(PIN)
L	H	DB(PIN) = DB0(PIN)



Mux I2C

Logic Input (IN _x)	Function
0	NC _x Connected to COM _x
1	NO _x Connected to COM _x

